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25X1A

CENTRAL INTELLIGENCE AGENCY

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ATTACHMENT TWO

- 1 -

Technical delivery specifications for the SS installation

The ethane requirements for the SS installation are 9586 kg/h. The total products must consist of the following quantities of ethane:

I. Main products

Description	Quantity produced	
	kg/h	weight %
S.S. oil	4,467	46.6
R oil	315	3.3
V oil	488	5.1
	5,270	55.0

II. By-products

Description	Quantity produced	
	kg/h	weight %
Heating gas	1,724	18.0
Fuel gas	1,410	14.7
Gasoline and fuel oil	143	1.5
	3,277	34.2

III. Losses

Description	Quantity produced	
	kg/h	weight %
Total	1,039	10.8%

I. Main products	5,270 kg/h	55.0 %
II. By-products	3,277 "	34.2 %
III. Losses	1,039 "	10.8 %
Total:	9,586 kg/h	100 %

The separate lubrication oil components must have the following properties:

1) S.S. Oils

Density at + 20°C	under 0.860
Viscosity at + 50°C	44 to 46°C
" " 100°C	over 5.60C
Viscosity index	over 107
Viscosity latitude	under 1.73
Solidifying point	under -25°C
Flash point	over + 220°C
Acid content	under 0.06
Saponification count	under 0.03
Coke test	under 0.2
Ash, asphalt and water	cannot be calculated

2) V-Oils (Engine oils)

Engine oils are obtained in different qualities and each is designated by its flash point. V-oil 120 is mainly used and must have the following properties:

Density at 20°C	under 0.820
Viscosity at + 50°C	1.3 to 1.6°E (according to Engler)
" " + 20°C	1.7 to 3.0°E
" " -30°C	15 to 108°E
Flash point	over + 120 °C
Solidifying point	under -70°C

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3) R-Oils (Residue oils)

Density at +20°C
Viscosity at +100°C
Viscos' ty under
Flash point
Solidifying point
Coke test

over 0.860
3 to 4°E
over 95
150 to +180°C
under -25°C
under 0.3

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